

## WHAT IS CLAIMED IS:

- 1 1. A mixed irradiation evaluation support system for supporting  
2 judgment and determination of allocation of contribution in mixed  
3 irradiation using proton beams and X-rays, comprising:  
4 a means for composing dose distributions of proton beams and  
5 X-rays in a human body, according to a designated composition ratio;  
6 and  
7 a display means for displaying a composite dose distribution  
8 three-dimensionally.
- 1 2. A mixed irradiation evaluation support system for supporting  
2 judgment and determination of allocation of contribution in mixed  
3 irradiation using proton beams and X-rays, comprising:  
4 a means for composing dose distributions of proton beams and  
5 X-rays in a human body, according to a designated composition ratio;  
6 and  
7 a display means for displaying an isodose map in a designated  
8 cross section in the human body with respect to a composite dose  
9 distribution.
- 1 3. A mixed irradiation evaluation support system for supporting  
2 judgment and determination of allocation of contribution in mixed  
3 irradiation using proton beams and X-rays, comprising:  
4 a means for composing dose distributions of proton beams and  
5 X-rays in a human body; and

6           a display means for displaying a dose distribution on a  
7   designated line in the human body, with respect to a designated range  
8   of a composition ratio.

1   4.       A mixed irradiation evaluation support system for supporting  
2   judgment and determination of allocation of contribution in mixed  
3   irradiation using proton beams and X-rays, comprising:

4           a means for composing dose distributions of proton beams and  
5   X-rays in a human body; and

6           a display means for displaying a dose value at a designated  
7   point in the human body, with respect to a designated range of a  
8   composition ratio.

1   5.       A mixed irradiation evaluation support system for supporting  
2   judgment and determination of allocation of contribution in mixed  
3   irradiation using proton beams and X-rays, comprising:

4           a means for composing dose distributions of proton beams and  
5   X-rays in a human body; and

6           a display means for displaying DVH for a designated tissue in  
7   the human body, with respect to a designated range of a composition  
8   ratio.

1   6.       A mixed irradiation evaluation support system, comprising:

2           a means for composing dose distributions of proton beams and  
3   X-rays in a human body; and

4           a display apparatus for displaying a composite dose  
5   distribution three-dimensionally.

1 7. A mixed irradiation evaluation support system, comprising:  
2 a means for composing dose distributions of proton beams and  
3 X-rays in a human body; and  
4 a display apparatus for displaying an isodose map in a  
5 designated cross section in the human body with respect to a  
6 composite dose distribution.

1 8. A mixed irradiation evaluation support system, comprising:  
2 a means for composing dose distributions of proton beams and  
3 X-rays in a human body; and  
4 a display apparatus for displaying a dose distribution on a  
5 designated line in the human body, with respect to a designated range.

1 9. A mixed irradiation evaluation support system, comprising:  
2 a means for composing dose value of proton beams and X-rays  
3 in a human body; and  
4 a display apparatus for displaying a dose value at a designated  
5 point in the human body, with respect to a designated range.

1 10. A mixed irradiation evaluation support system, comprising:  
2 a means for composing dose distributions of proton beams and  
3 X-rays in a human body; and  
4 a display apparatus for displaying DVH for a designated tissue  
5 in the human body, with respect to a designated range.

1 11. A mixed irradiation evaluation support system, comprising:  
2 a means for composing dose distributions of proton beams and  
3 X-rays in a human body, according to a designated composition ratio;

4 and  
5 a display apparatus for displaying a composite dose  
6 distribution three-dimensionally.

1 12. A mixed irradiation evaluation support system, comprising:  
2 a means for composing dose distributions of proton beams and  
3 X-rays in a human body, according to a designated composition ratio;  
4 and  
5 a display apparatus for displaying an isodose map in a  
6 designated cross section in the human body with respect to a  
7 composite dose distribution.

1 13. A mixed irradiation evaluation support system, comprising:  
2 a means for composing dose distributions of proton beams and  
3 X-rays in a human body; and  
4 a display apparatus for displaying a dose distribution on a  
5 designated line in the human body, with respect to a designated range  
6 of a composition ratio.

1 14. A mixed irradiation evaluation support system, comprising:  
2 a means for composing dose value of proton beams and X-rays  
3 in a human body; and  
4 a display apparatus for displaying a dose value at a designated  
5 point in the human body, with respect to a designated range of a  
6 composition ratio

1 15. A mixed irradiation evaluation support system, comprising:  
2 a means for composing dose distributions of proton beams and

- 3 X-rays in a human body; and
- 4 a display apparatus for displaying DVH for a designated tissue
- 5 in the human body, with respect to a designated range of a
- 6 composition ratio.